

PN - JP8064220 A 960308
AP - JP940199142 940824
PA - FUJI ELECTRIC CO LTD
IN - TAKAHASHI TAKEO; KURATA YOSHIAKI
I - ---H01M8/06---; C25B1/02; H01M8/00
TI - HYDROGEN STORAGE POWER GENERATING SYSTEM
AB - PURPOSE: To provide an economical hydrogen storage power generating system converting the electric power into clean hydrogen causing no environmental pollution, efficiently storing it, and extracting the electric power by utilizing the hydrogen as required.
- CONSTITUTION: This system is combined with power generating devices including a water electrolytic device 4 generating hydrogen with the electric power from a primary power source such as a ---solar--- battery 1 or a commercial power supply 2, a membrane type gas drying device 5 dehumidifying the hydrogen generated by the water electrolytic device 4, a hydrogen storage device 6 storing or discharging the hydrogen with a hydrogen storage alloy 7, and a fuel cell 8 generating electric power while the hydrogen discharged from the hydrogen storage device 6 is used as fuel. The electric power of the primary power source is converted into hydrogen, the hydrogen is stored in the hydrogen storage alloy 7, and the hydrogen discharged from the hydrogen storage alloy 7 as required is utilized to generate and extract electric power.
ABV - 096007
ABD - 960731
XPN - J08064220
XPR - 94JP-199142

PN - JP9050820 A 970218
AP - JP950349380 951219
PA - SEDA GIKEN:KK; OMRON CORP
IN - KAWAMURA TAIZO; UCHIBORI YOSHITAKA
I - ---H01M8/06---; H01M8/04
TI - FUEL CELL SYSTEM, FUEL CELL, AND HYDROGEN STORAGE SYSTEM
AB - PROBLEM TO BE SOLVED: To provide a fuel cell system utilizing
---sun--- rays, being applicable for a wide range and, fuel cells and
hydrogen storage system optimum for the fuel cell system.
- SOLUTION: In a fuel cell system comprising ---solar--- cells 2, a
water electrolytically decomposing tank 6 using electricity from the
---solar--- cells, a hydrogen storage means 7 and an oxygen storage
means 8 for hydrogen and oxygen produced from the water
electrolytically decomposing tank 6, and fuel cells 4 which are driver
by hydrogen and oxygen from respective storage means 7, 8: the
electric energy is stored as hydrogen. Fuel cells in which hydrogen
electrodes and oxygen electrodes are heated by electromagnetic
induction of coils or fuel cells in which a re-circulating apparatus
is installed are used as the fuel cells optimum for the system; and
the re-circulating apparatus employs a hydrogen storage alloy which
absorbs hydrogen discharged out of the hydrogen electrodes and
purifies the hydrogen again. Moreover, for a hydrogen storage method
suitable for the system, a hydrogen storage alloy which can be heated
by electromagnetic induction heating can be employed.

ABV - 097006
ABD - 970630
XPN - J09050820
XPR - 95JP-349380